JP 59265060

FIG. 1

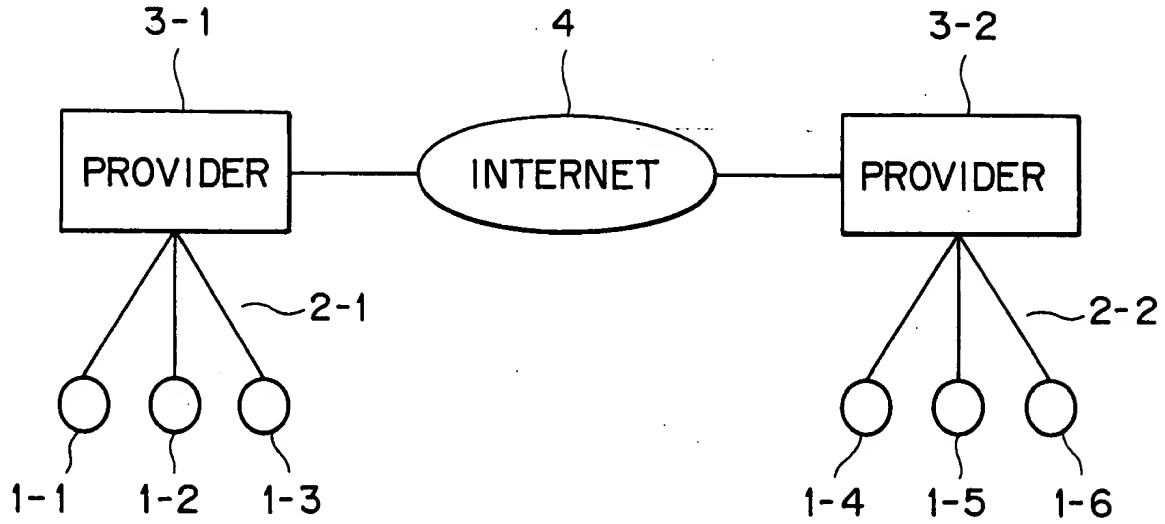
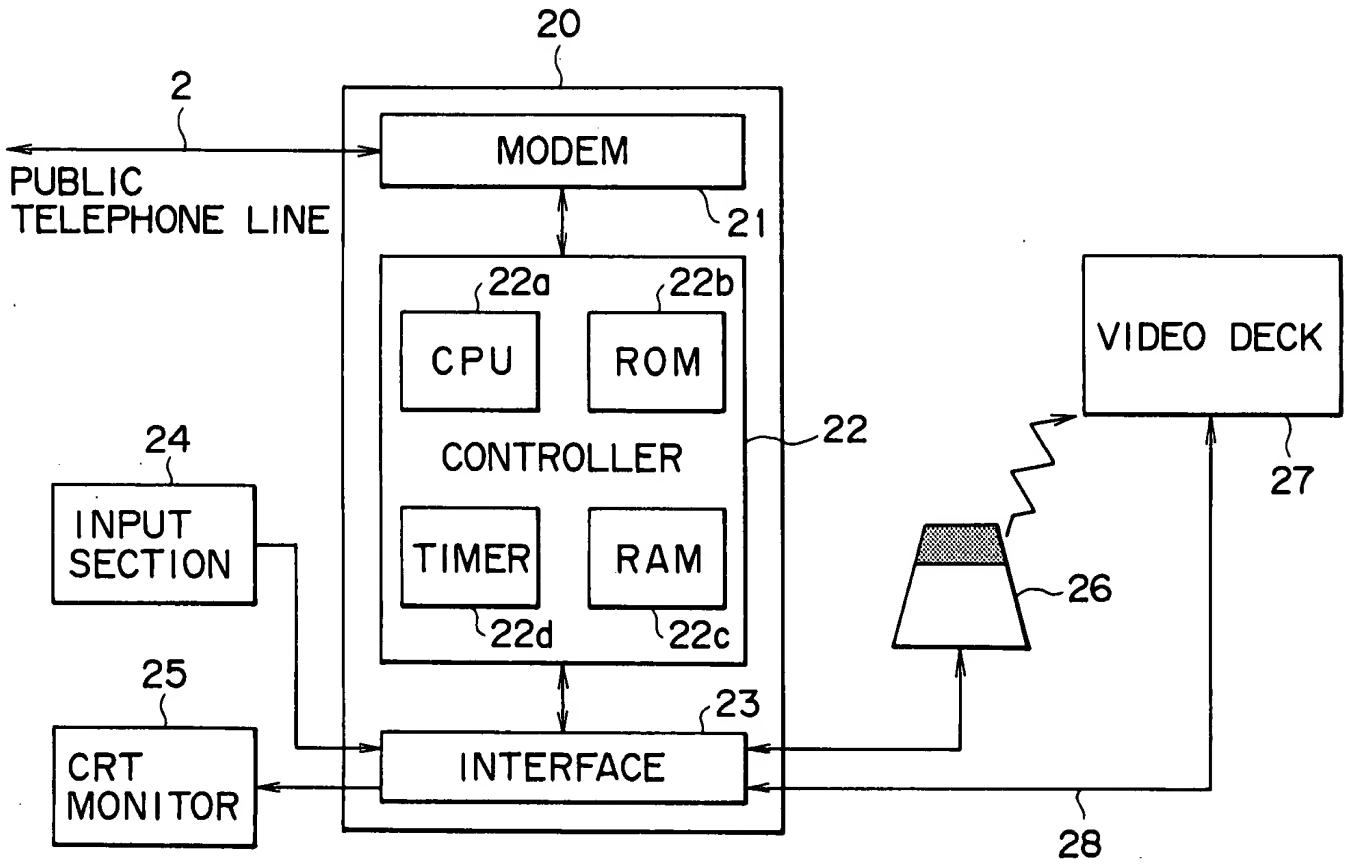


FIG. 2


20
2
PUBLIC
TELEPHONE LINE
MODEM
21
22a
22b
CPU
ROM
CONTROLLER
22
TIMER
RAM
22d
22c
24
INPUT
SECTION
25
CRT
MONITOR
23
INTERFACE
VIDEO DECK
27
26
28

1-1

FIG. 3

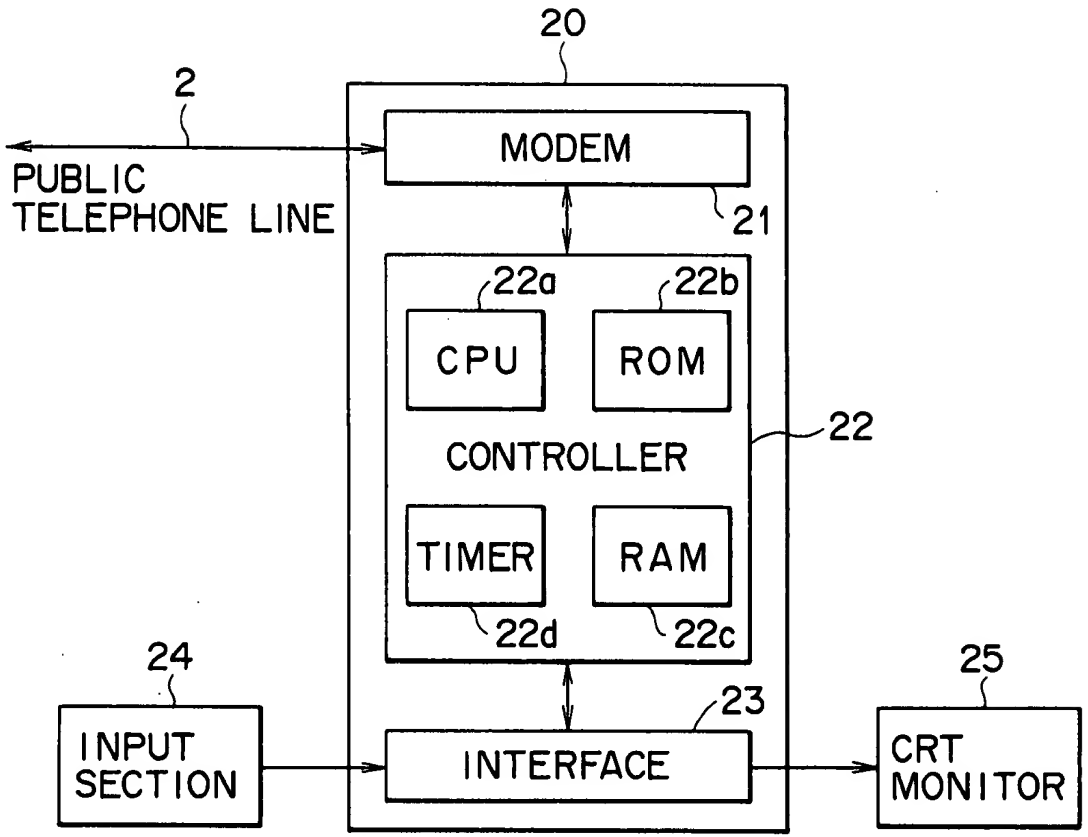

20
2
MODEM
PUBLIC
TELEPHONE LINE
21
22a
22b
CPU
ROM
22
CONTROLLER
TIMER
RAM
22d
22c
24
25
23
INPUT
SECTION
INTERFACE
CRT
MONITOR

FIG. 4

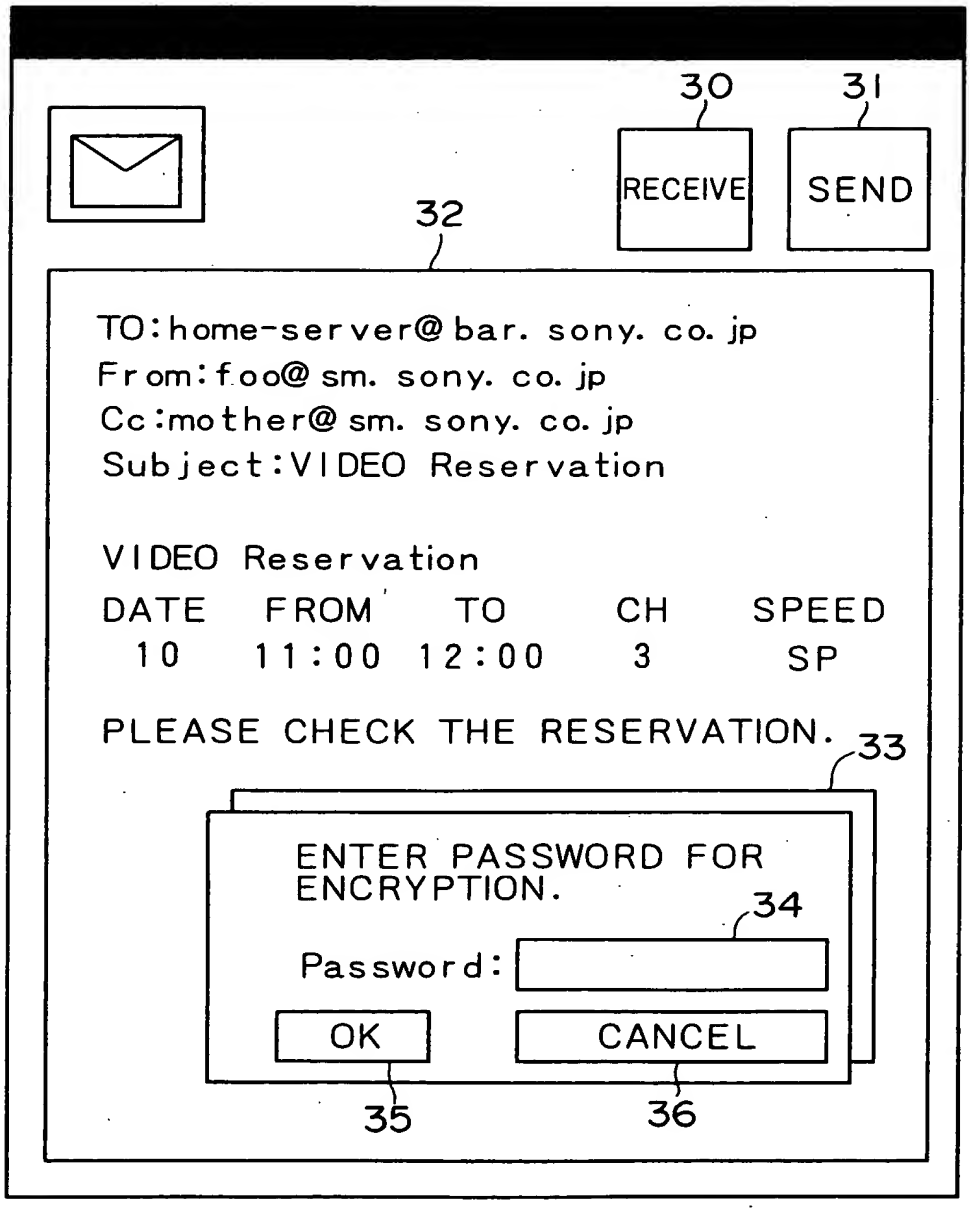
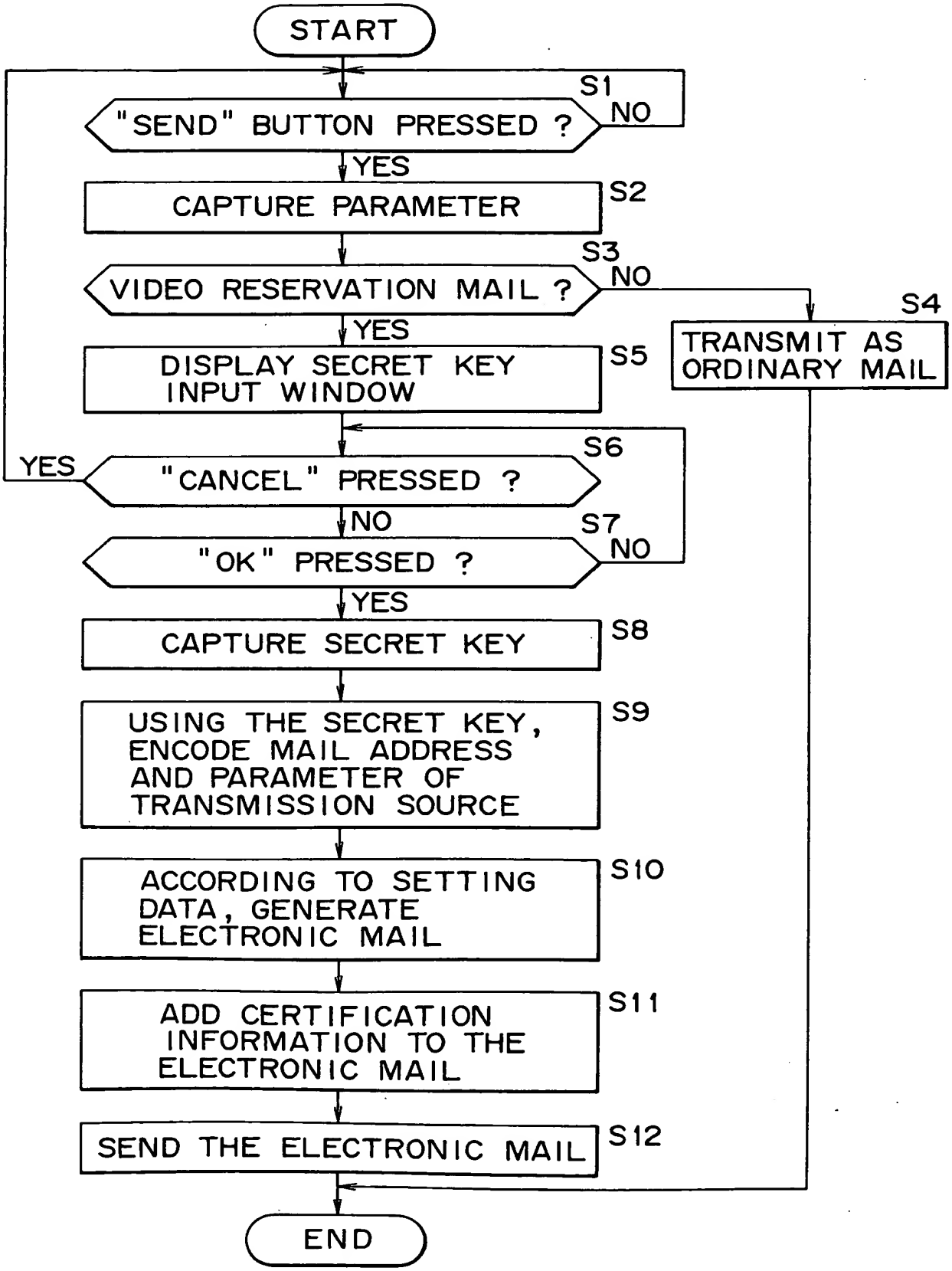

30
31
RECEIVE
SEND
32
TO:home-server@bar.sony.co.jp
From:foo@sm.sony.co.jp
Cc:mother@sm.sony.co.jp
Subject:VIDEO Reservation
VIDEO Reservation
DATE FROM TO CH SPEED
10 11:00 12:00 3 SP
PLEASE CHECK THE RESERVATION.
33
ENTER PASSWORD FOR ENCRYPTION.
34
Password:
OK
CANCEL
35
36

FIG. 5

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# FIG. 6

TO:home-server @ bar. sony. co. jp
From:foo@ sm. sony. co. jp
Cc:mother@ sm. sony. co. jp
Subject:VIDEO Reservation

VIDEO Reservation

| DATE | FROM | TO | CH | SPEED |
|---|---|---|---|---|
| 10 | 11:00 | 12:00 | 3 | SP |

PLEASE CHECK THE RESERVATION

EncriptedDATA-First
ASASJKDKSDSIjjdsdjsuu^&%%!#@#@jasdauuihmkklsakdo
qwqeweipodasdiaidaiduckzxjzx&&*^%^!@E#JHBCJCHXZC

0050965-0454

FIG. 7A

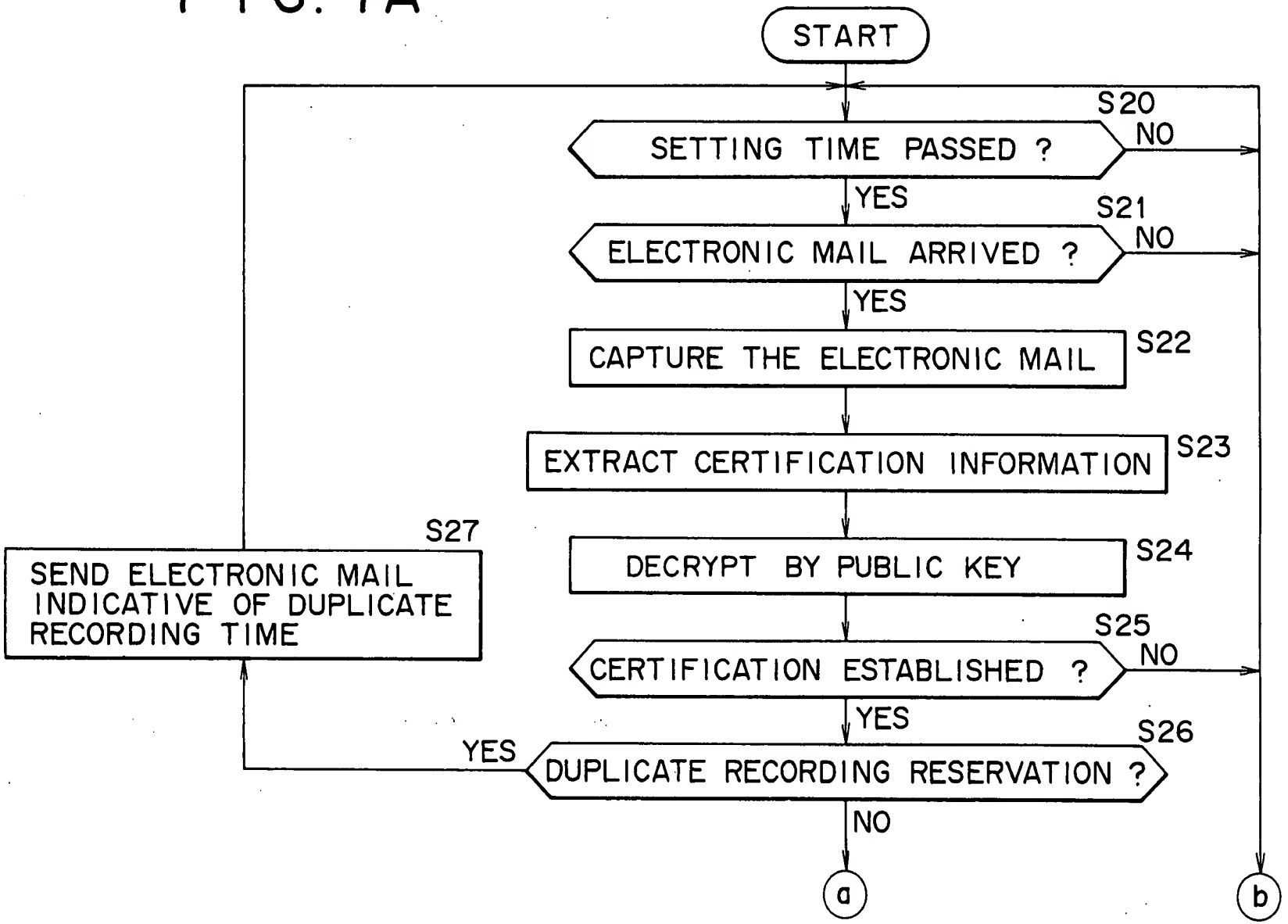

START
S20
SETTING TIME PASSED ?
NO
YES
S21
ELECTRONIC MAIL ARRIVED ?
NO
YES
CAPTURE THE ELECTRONIC MAIL
S22
EXTRACT CERTIFICATION INFORMATION
S23
DECRYPT BY PUBLIC KEY
S24
S25
CERTIFICATION ESTABLISHED ?
NO
YES
S26
DUPLICATE RECORDING RESERVATION ?
YES
NO
S27
SEND ELECTRONIC MAIL INDICATIVE OF DUPLICATE RECORDING TIME
a
b

FIG. 7B

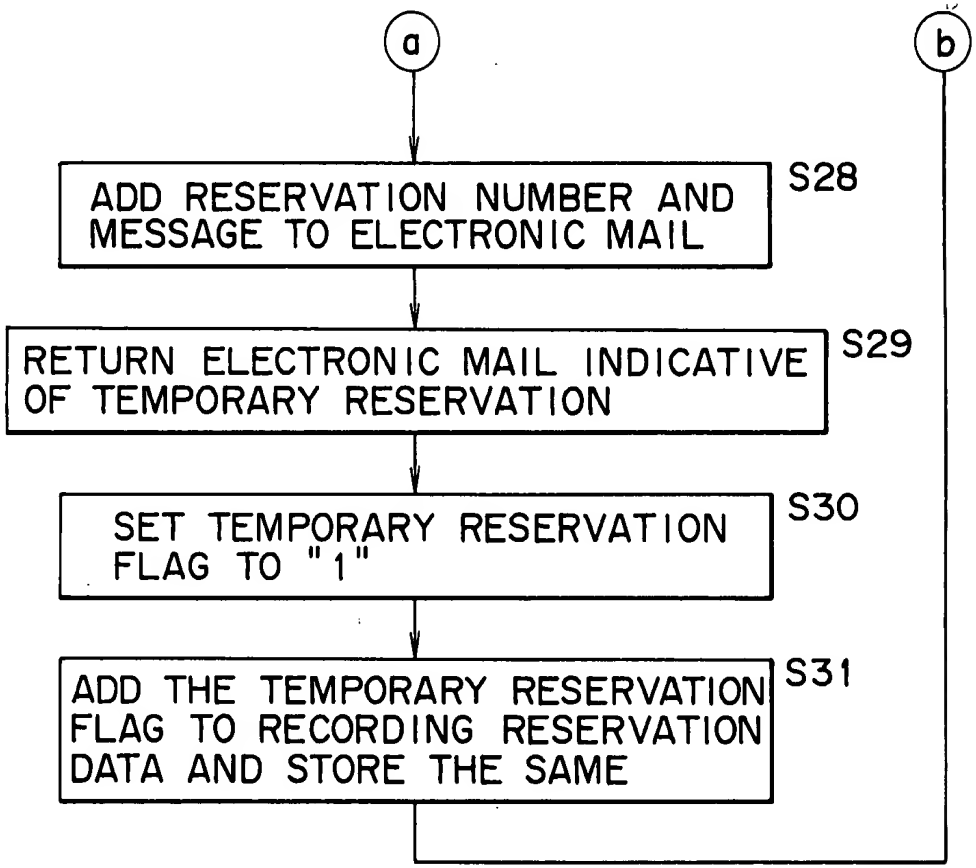



FIG. 7

| |
|---|
| FIG. 7A |
| FIG. 7B |

# FIG. 8

TO:foo@sm.sony.co.jp
From:home-server@bar.sony.co.jp
Subject:VIDEO Reservation

VIDEO Reservation

| DATE | FROM | TO | CH | SPEED |
|---|---|---|---|---|
| 10 | 11:00 | 12:00 | 3 | SP |

RESERVATION FAILED BECAUSE RESERVATION DATA SENT AS ABOVE PARTIALLY OVERLAP WITH DATA OF RESERVATION NUMBER 1 IN RECORDING TIME.

EncriptedDATA-First

ASASJKDKSDSIjjdsdjsuu^&%%!#@#@jasdauuihmkklsakdo
qwqeweipodasdiaidaiduckzxjzx&&*^%^!@E#JHBCJCHXZC

EP 0 694 855 A2

FIG. 9

TO:foo@sm sony. co. jp

From:home-server@bar. sony. co. jp

Subject:VIDEO Reservation

ACCEPTANCE NUMBER 1 (TEMPORARY RESERVATION)

VIDEO Reservation

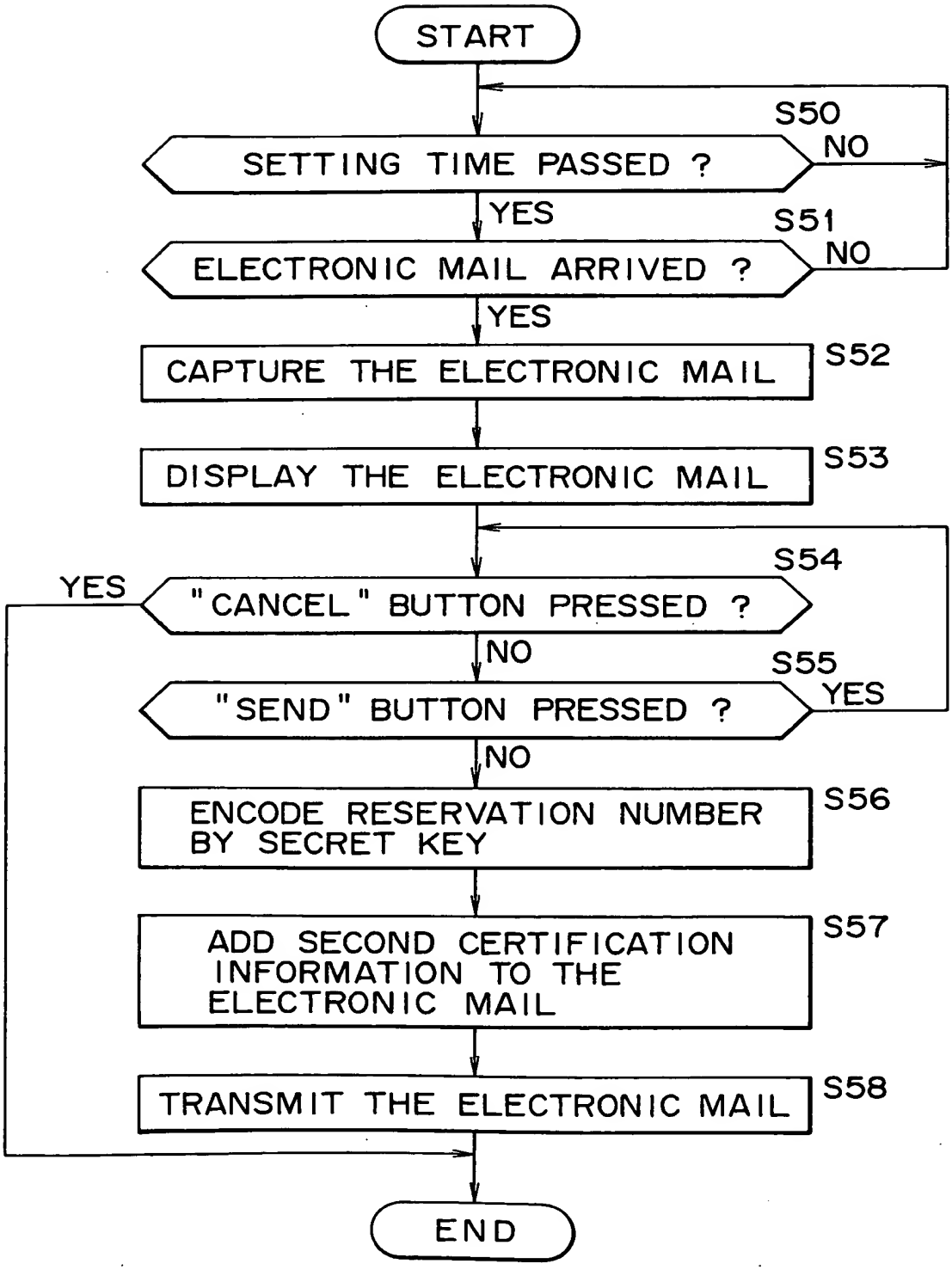
| DATE | FROM | TO | CH | SPEED |
|---|---|---|---|---|
| 10 | 11:00 | 12:00 | 3 | SP |

TEMPORARY RESERVATION MADE AS ABOVE.
CHECK THE CONTENT AND RETURN FOR FIXED RESERVATION.

EncriptedDATA-First

ASASJKDKSDSIjjdsdjsuu^&%%!#@#@jasdauuihmkklsakdo
qwqeweipodasdiaidaiduckzxjzx&&^^%^!@E#JHBCJCHXZC

FIG. 10

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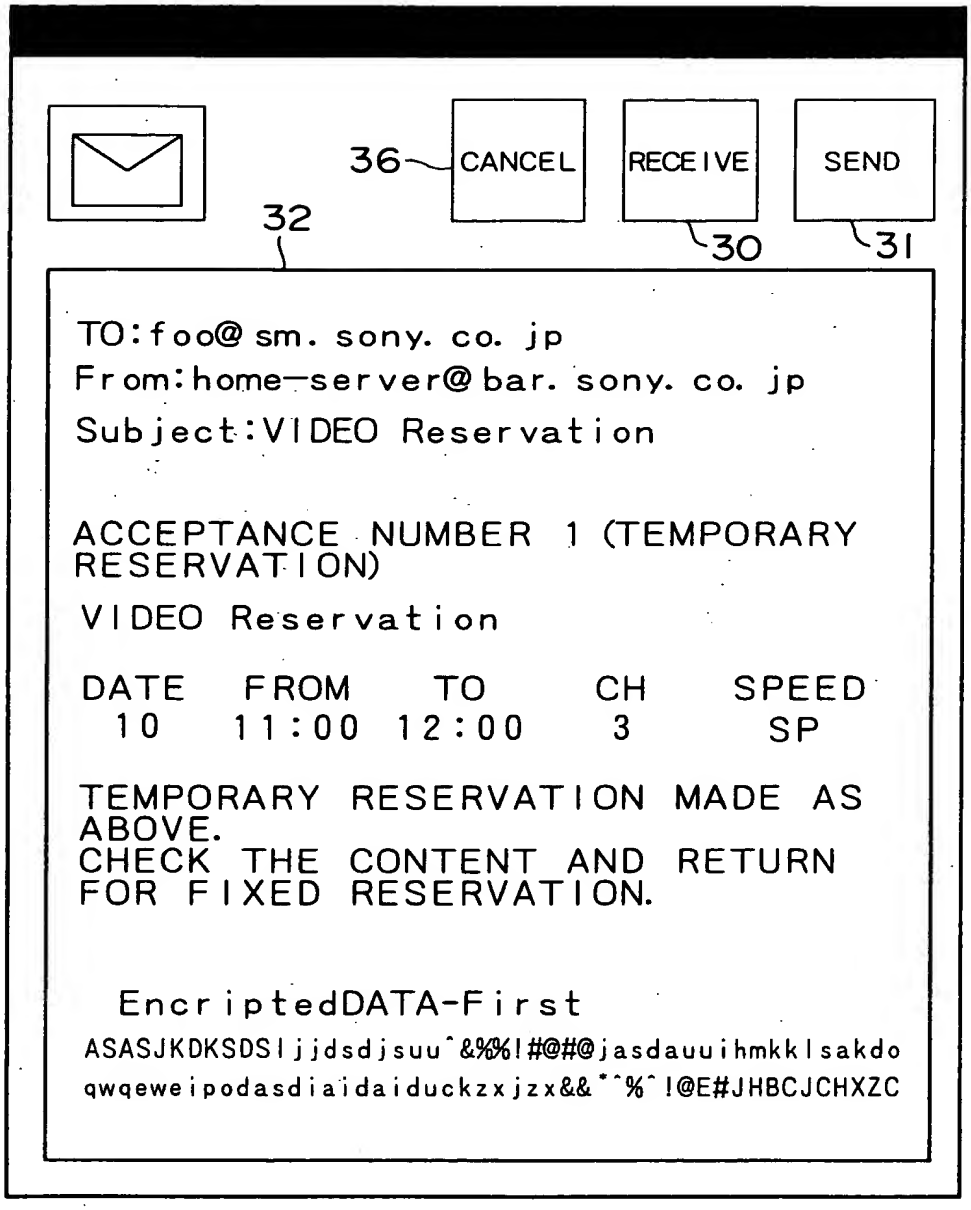
# FIG. 11


CANCEL
RECEIVE
SEND
36
32
30
31
TO:foo@sm.sony.co.jp
From:home-server@bar.sony.co.jp
Subject:VIDEO Reservation
ACCEPTANCE NUMBER 1 (TEMPORARY RESERVATION)
VIDEO Reservation
DATE FROM TO CH SPEED
10 11:00 12:00 3 SP
TEMPORARY RESERVATION MADE AS ABOVE.
CHECK THE CONTENT AND RETURN FOR FIXED RESERVATION.
EncriptedDATA-First
ASASJKDKSDSIjjdsdjsuu^&%%!#@#@jasdauuihmkklsakdo
qwqeweipodasdiaïdaiduckzxjzx&&**%^!@E#JHBCJCHXZC

# FIG. 12

TO:home—server@bar. sony. co. jp
From:foo@sm. sony. co. jp
Subject:VIDEO Reservation

RESERVATION NUMBER 1 (TEMPORARY RESERVATION)
VIDEO Reservation

| DATE | FROM | TO | CH | SPEED |
|---|---|---|---|---|
| 10 | 11:00 | 12:00 | 3 | SP |

TEMPORARY RESERVATION MADE AS ABOVE.
CHECK THE CONTENT AND RETURN FOR FIXED RESERVATION.

EncriptedDATA—First

ASASJKDKSDSIjjdsdjsuu^&%%!#@#@jasdauuihmkkIsakdo
qwqeweipodasdiaidaiduckzxjzx&&*^%^!@E#JHBCJCHXZC

EncriptedDATA—Second

idoapsdauiuwe^&^ (&*SADDSADA&*DAS) D) (*ADLLKASLDApp {} []
[=07897$^%^%BMNBNHHxxazxtbddaGHDSAuduygaddh
asdadaudyasuydasdyaduayadyaXTYUZXTqwdvvansbdvXUY

0054650-0054650

86hTh0" 59765060

FIG. 13A

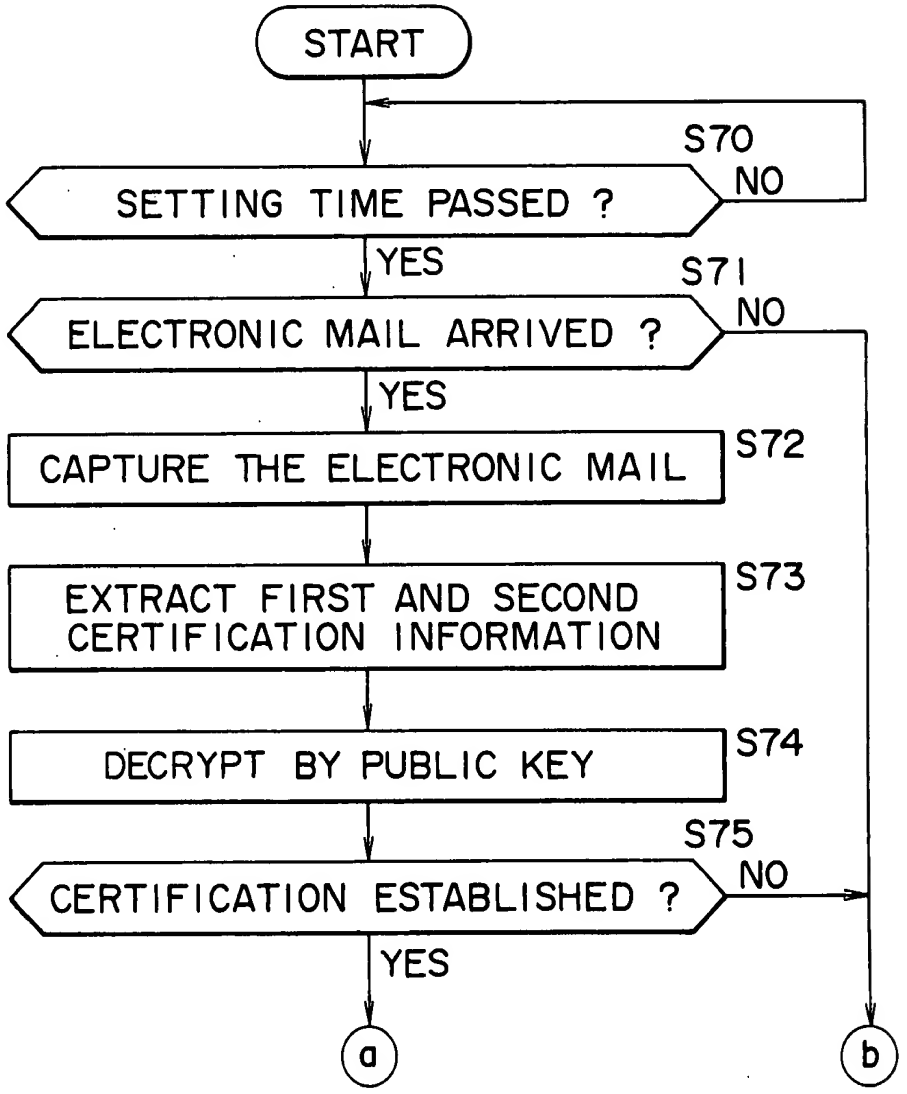
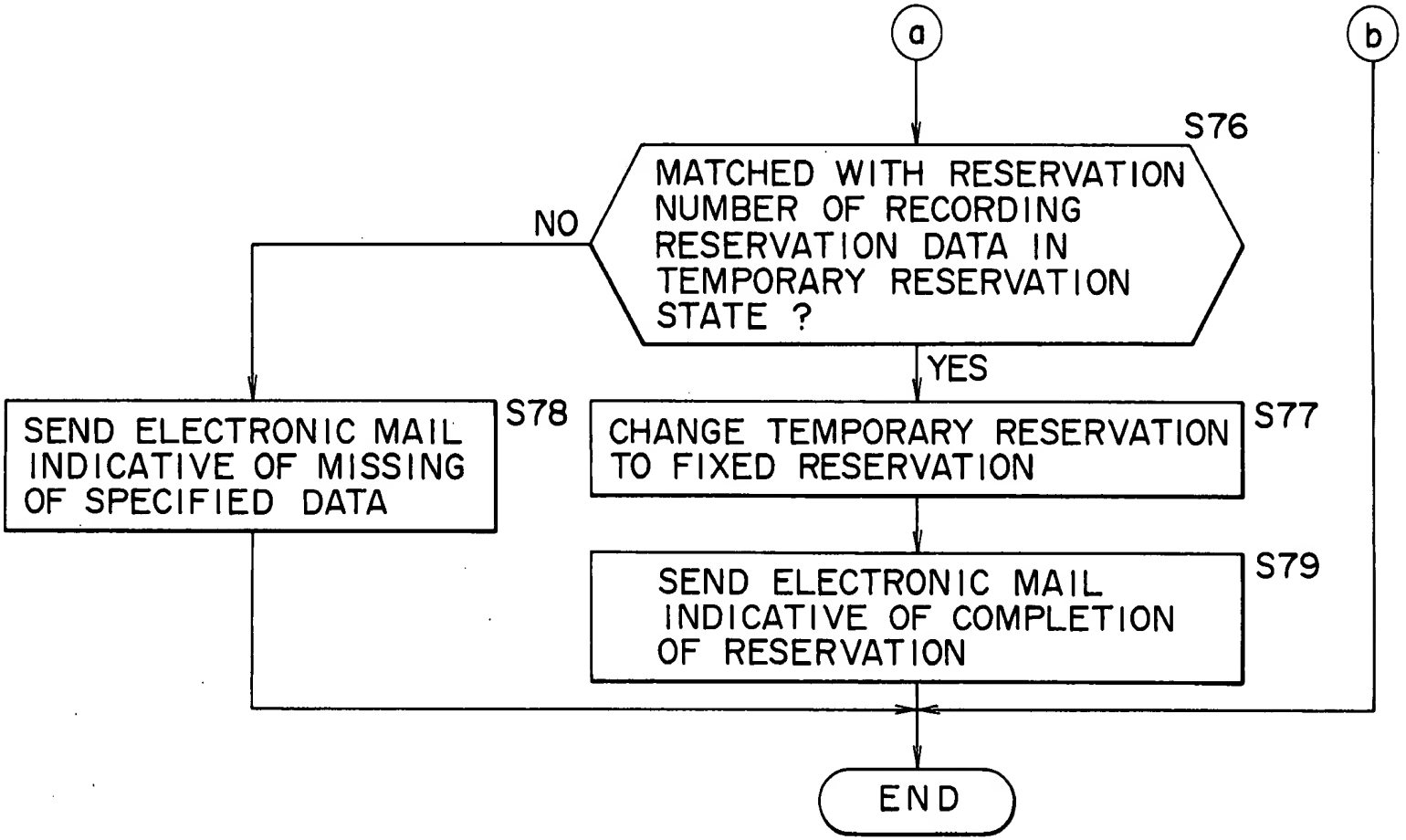



FIG. 13

| |
|---|
| FIG. 13A |
| FIG. 13B |

FIG. 13B


a
b
S76
MATCHED WITH RESERVATION NUMBER OF RECORDING RESERVATION DATA IN TEMPORARY RESERVATION STATE ?
NO
YES
S78
SEND ELECTRONIC MAIL INDICATIVE OF MISSING OF SPECIFIED DATA
S77
CHANGE TEMPORARY RESERVATION TO FIXED RESERVATION
S79
SEND ELECTRONIC MAIL INDICATIVE OF COMPLETION OF RESERVATION
END

# FIG. 14

TO:foo@sm.sony.co.jp
From:home-server@ bar.sony.co.jp
Subject:VIDEO Reservation

RESERVATION NUMBER 1

VIDEO Reservation

| DATE | FROM | TO | CH | SPEED |
|---|---|---|---|---|
| 10 | 11:00 | 12:00 | 3 | SP |

RESERVATION MADE AS ABOVE

EncriptedDATA-First

ASASJKDKSDSIjjdsdjsuu^&%%!#@#@jasdauuihmkklsakdo
qwqeweipodasdiaidaiduckzxjzx&&**%^!@E#JHBCJCHXZC

EncriptedDATA-Second

idoapsdauiuwe^&^ (&* SADDSADA&* DAS) D) {*ADLLKASLDAp
p{}[][=07897$^%^%BMNBNHHxxazxtbddaGHDSAuduygaddh
asdadaudyasuydasdyaduayadyaXTYUZXTqwdvvansbdvXUY

US5,956,088

86th ED. 5926060

FIG. 15A

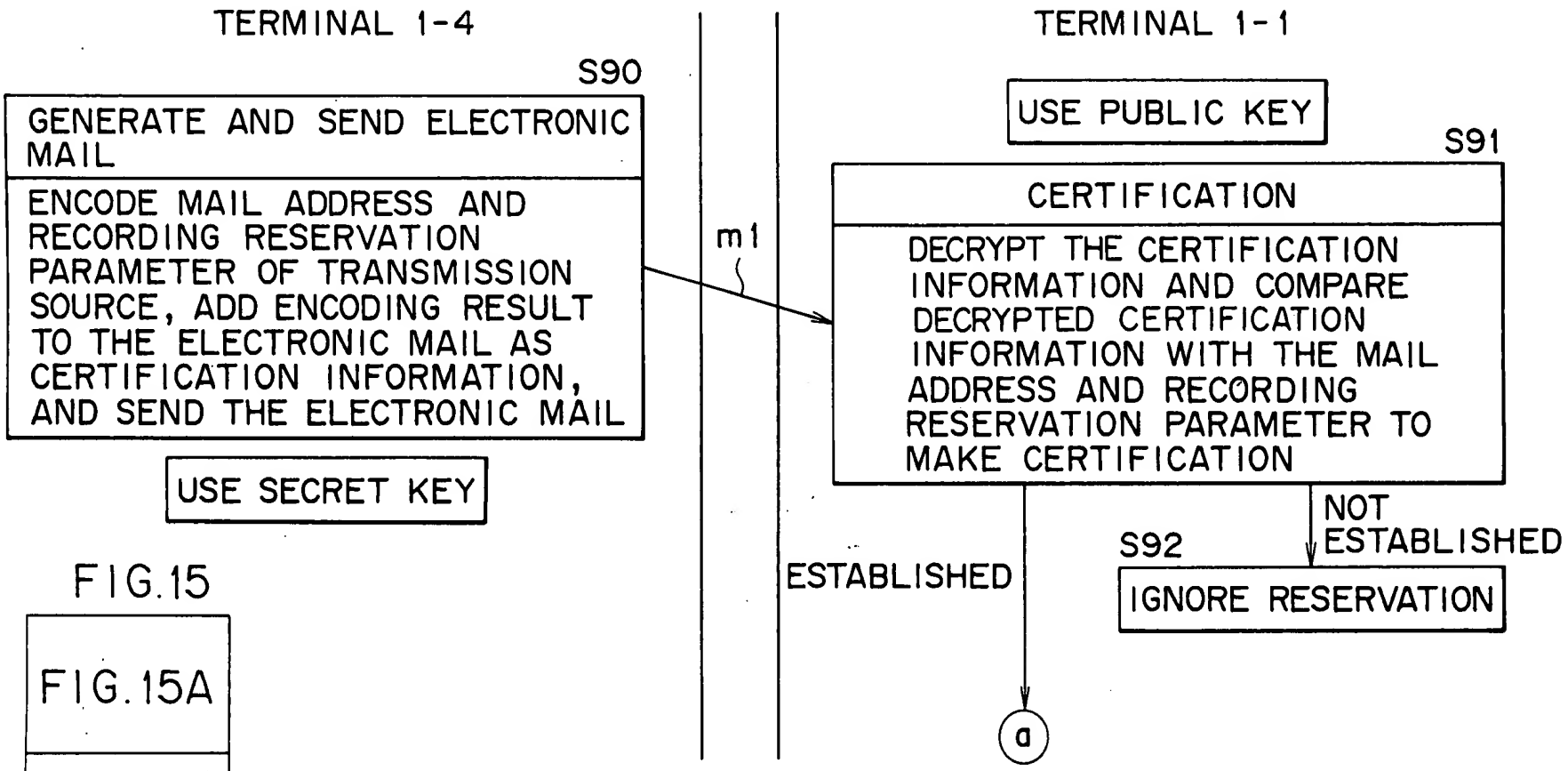



FIG. 15

| |
|---|
| FIG. 15A |
| FIG. 15B |
| FIG. 15C |

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FIG. 15B

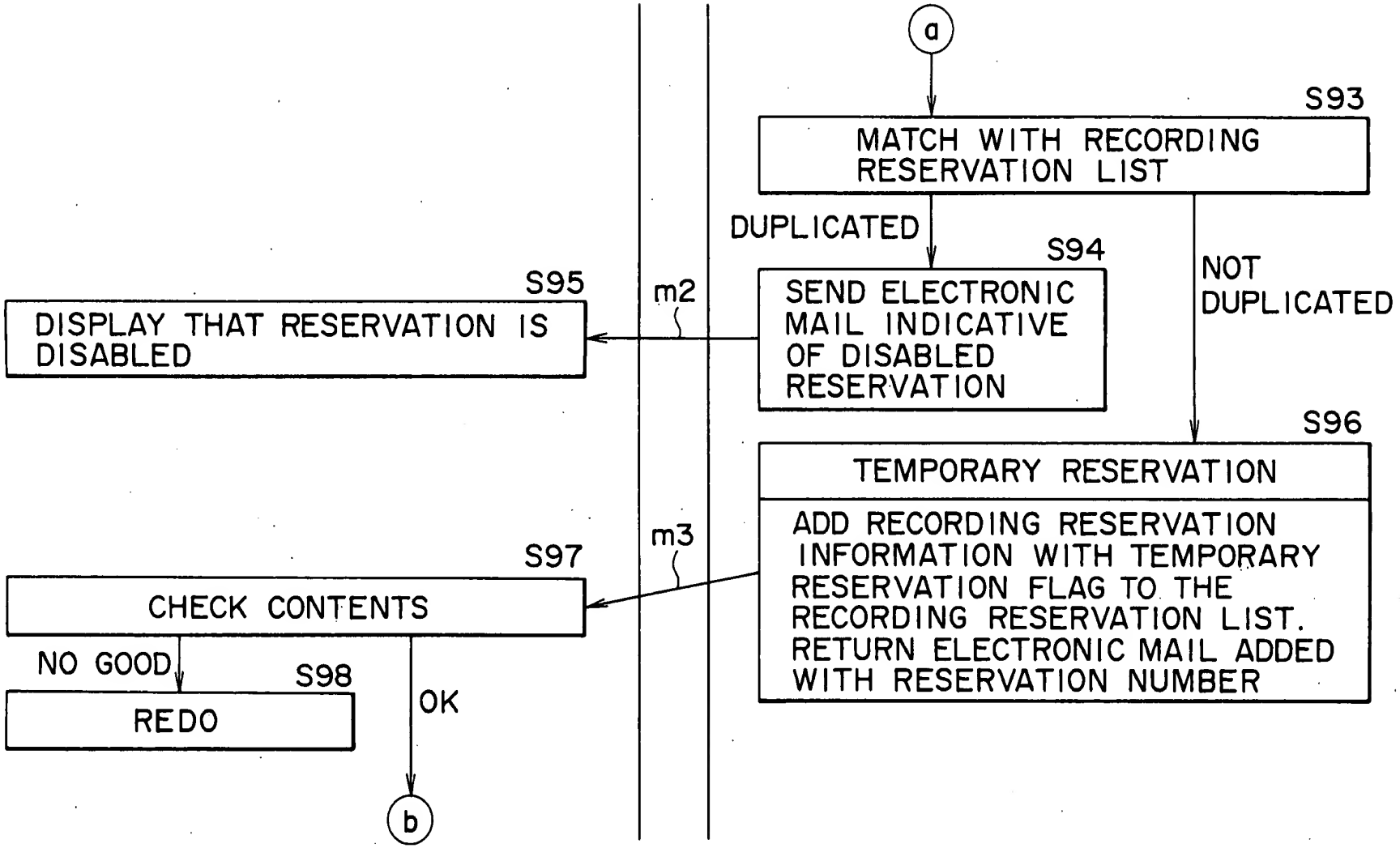

FIG. 15C

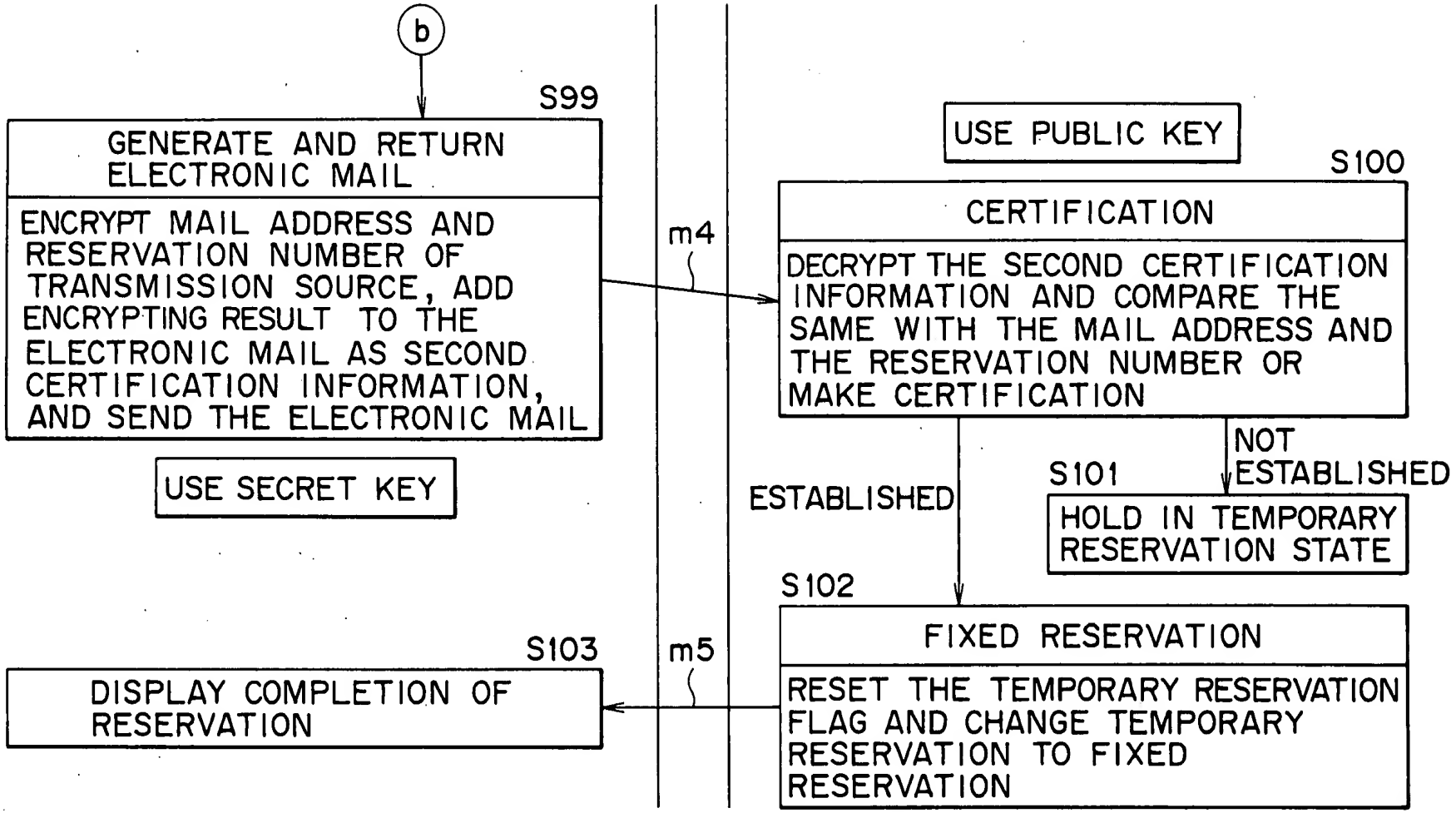
b
S99
GENERATE AND RETURN ELECTRONIC MAIL
ENCRYPT MAIL ADDRESS AND RESERVATION NUMBER OF TRANSMISSION SOURCE, ADD ENCRYPTING RESULT TO THE ELECTRONIC MAIL AS SECOND CERTIFICATION INFORMATION, AND SEND THE ELECTRONIC MAIL
USE SECRET KEY
m4
USE PUBLIC KEY
S100
CERTIFICATION
DECRYPT THE SECOND CERTIFICATION INFORMATION AND COMPARE THE SAME WITH THE MAIL ADDRESS AND THE RESERVATION NUMBER OR MAKE CERTIFICATION
NOT ESTABLISHED
S101
HOLD IN TEMPORARY RESERVATION STATE
ESTABLISHED
S102
FIXED RESERVATION
RESET THE TEMPORARY RESERVATION FLAG AND CHANGE TEMPORARY RESERVATION TO FIXED RESERVATION
m5
S103
DISPLAY COMPLETION OF RESERVATION

FIG. 16A

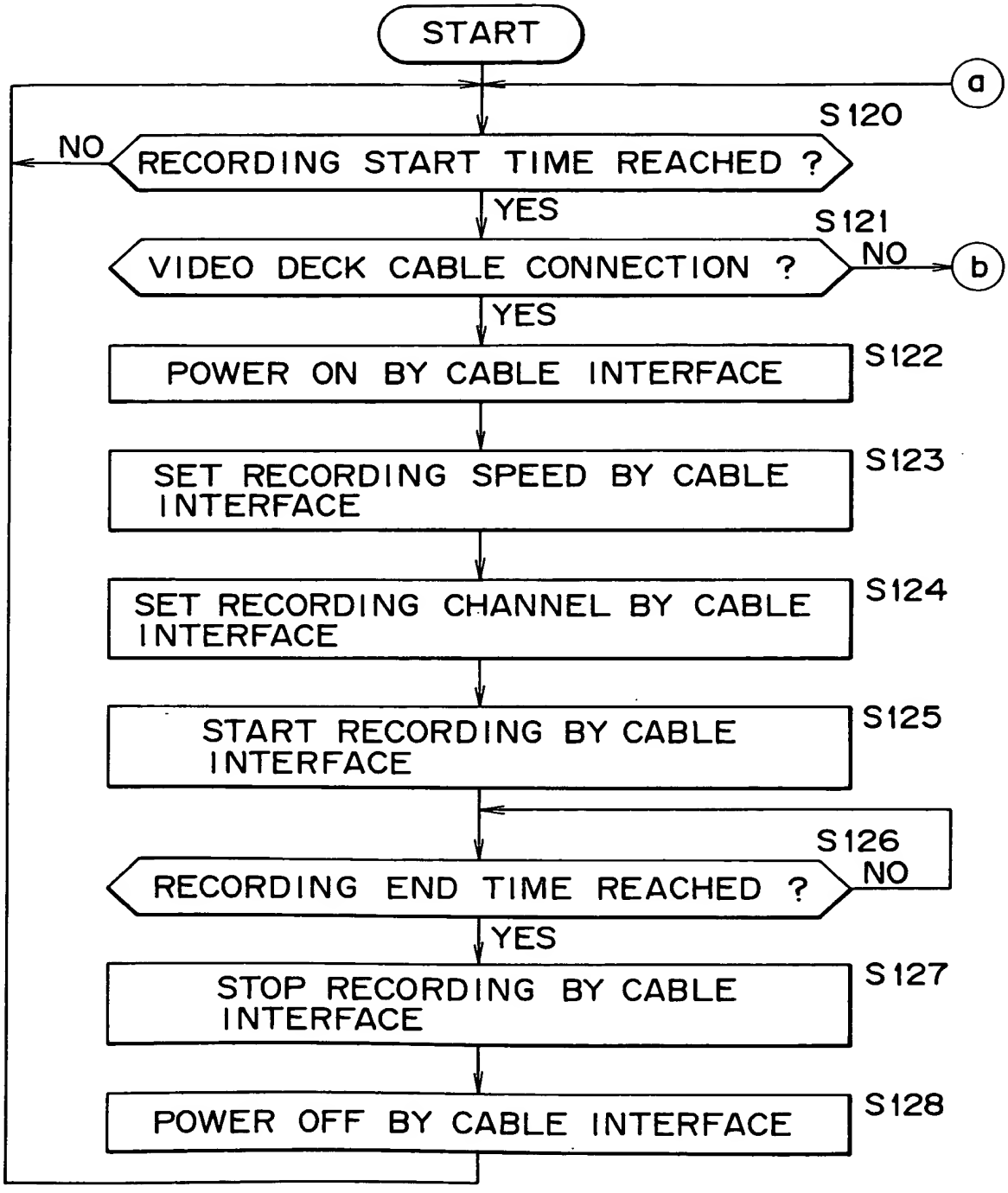


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FIG. 16B

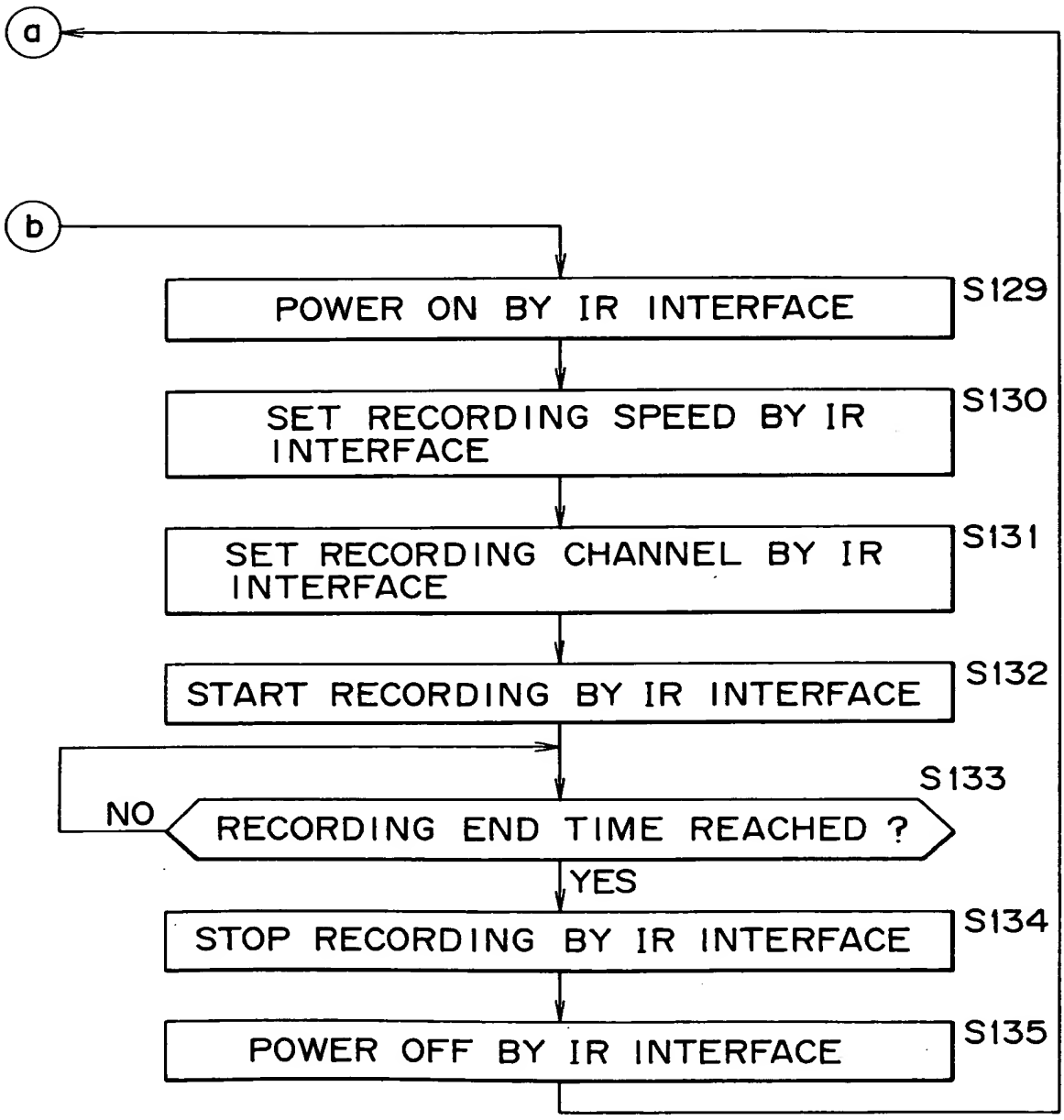


FIG. 16

| FIG. 16A | FIG. 16B |
|---|---|

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